

11-4SN (G 1/4)

Features

- Shavo's Filter / Regulator combination unit offers extremely precise control.
- Unique valve design and large ratio of diaphragm to valve area affords highly sensitive performance.
- Specially designed to meet instrumentation requirements.
- Also available as Pressure Regulator only.
- CE, ATEX, EAC[CU TR10(equivalent to GOST R&K)] approved.

PARAMETERS	SPECIFICATIONS
Fluid	Compressed Air
Pipe size	1/4"
Port Thread	BSPT - Standard NPT, BSP - Optional
Max. Inlet Pressure	17.5 bar (254 psi) - Aluminium 30 bar (435 psi) - Stainless Steel
Max. Operating Temp. (Ambient)	+80° C
Filter Element Size	25 micron - Standard 5, 40 micron - Optional
Filter Element Material	Sintered Bronz -Standard Stainless Steel-Optional
Material of Construction(Aluminium)	
Body, Bonnet, Bowl	Aluminium Alloy die-cast
Internal parts	Aluminium, SS304, SS316L, Acetal resin, Nylon, brass
External parts	SS 316L
Material of Construction(SS316 cast)	
Body, Bonnet, Bowl	Stainless Steel as per AISI 316L
Internal parts	SS316L with NACE compliance (MR0175)
External parts	SS 316L / SS304
Diaphragm Assembly	Synthetic Rubber without PTFE - Standard
Elastomers	Nitrile (NBR) -20°C to +80°C EPDM -35°C to +120°C(Std) Fluorocarbon (Viton-FKM) -20°C to +180°C Fluorosilicone (FVMQ) -60°C to +160°C
Bowl Capacity	50 ml.
Regulated secondary pressure ranges	0.07 to 0.70 bar (1-10 psi) - Optional 0.21 to 2.10 bar (3-30 psi) - Optional 0.35 to 3.50 bar (5-50 psi) - Optional 0.50 to 5.0 bar (7-70 psi) - Optional 0.70 to 7.0 bar (10-100 psi)- Standard
Standard Nominal Flow Rate at 10 bar (150psi)inlet pressure 6 bar (87 psi) set pr. and a drop of 1 bar(14.5 psi)from set	1/4" - 55 scfm (26 dm3/sec)
CV Value	1/4" - (1.04)
Drain	Manual - Standard
Type	Relieving - Standard Non-Relieving - Optional
Pressure Adjustment	Hex Head Adjusting screw - Standard T handle - Optional
Gauge Port (2 nos.)	1/4" BSPT (Fe) - Standard 1/4" NPT (Fe) - Optional
Gauge size (dial size)	50 mm (Nominal)
Mounting	Mounting bracket - Standard (for Aluminium) P.M. Nut - Standard (for S.S.units)
Weight	0.70 Kgs.- (Aluminium) 1.75 kgs (S.S)

11-4SN
Aluminium11-4SN
SS316(cast)

Size	Flow (dm³/s)	Element (um)	Drain	Bowl	Operation	Model
1/4"	55 scfm	5	Manual	Metal	10-100	11-4SN-200M-M4KA-ENAH

Note :

- 1) Pressure gauge will not be ATEX approved.
- 2) PM nut and mounting bracket will not be to NACE specifications.
- 3) Maximum operating pressure range : 10 bar for Fluorosilicone (FVMQ) elastomer.

PRECISION FILTER / REGULATOR

11-4SN (G 1/4)

Option Selector

Sample Model Number → **1 1 - 4 S N - 2 0 0 M - M 4 K A - E N A**

Position → **1 2 - 3 4 5 - 6 7 8 9 - 10 11 12 13 - 14 15 16**

1 2 3 4 5

Instrument Filter / Regulator

6 Pipe Size

2 = 1/4"

7 8 Options

	Relieving		Non-Relieving	
	Hex Headed Slotted Screw	T handle	Hex Headed Slotted Screw	T handle
No Gauge	50	55	60	65
With Gauge (MS)	51	56	61	66
With Gauge (SS)	52	57	62	67

(Pressure gauge will not be ATEX approved)

9 Body, Bowl,
Bonnet

M = Aluminium Metallic (Body, Bowl, Bonnet)
S = SS316 (Body, Bowl, Bonnet)

10 Drain

M = Manual Drain

11 Filter Element

Plastic	Sintered Bronze	S.S.
1 = 5 Micron	6 = 5 Micron	5 = 5 Micron
2 = 25 Micron	7 = 25 Micron	9 = 25 Micron
3 = 40 Micron	8 = 40 Micron	4 = 40 Micron

12 Secondary Pressure
Range

A = 0.07 - 0.7 bar (1-10 psi)
C = 0.21 - 2.1 bar (3-30 psi)
E = 0.35 - 3.5 bar (5-50 psi)
F = 0.50 - 5.0 bar (7-70 psi)
K = 0.70 - 7.0 bar (10-100 psi)

13 Port
Thread

	Main Ports	Gauge Ports
A	NPT	BSPT
B	BSPT	BSPT
G	BSP	BSPT
N	NPT	NPT

14 Elastomer
Material

N = Nitrile
[E] = EPDM
[V] = Viton
[S] = Fluorosilicone

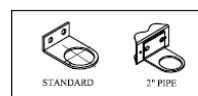
15 Mounting

N = No Mounting Bracket
B = Standard Mounting Bracket
P = 2" Pipe Mounting Bracket
S = Customer's spl. Mounting Bracket
U = Universal mounting bracket

Bracket for ATEX units will be SS316



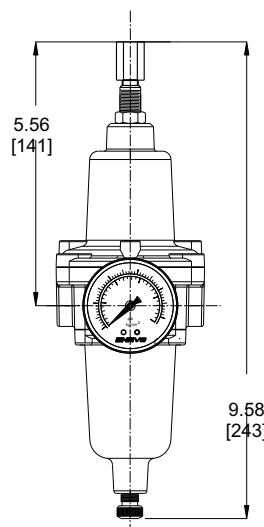
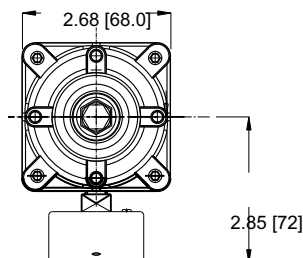
(brackets used for Aluminium unit)



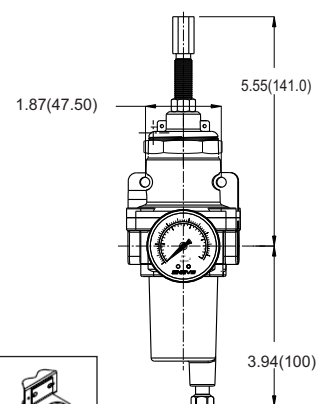
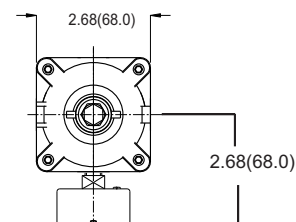
(brackets for SS units)

16 Test.

A = ATEX approved.
O = Other customer special requirement, if any
Blank = Standard units without ATEX approval



(Aluminium)



SS316L(casted)

Note : Options shown in [] bracket are special, please consult manufacturing.